

RAFIX 16, universal switching element, silver, with coupling monitoring, quick-connect terminal, momentary contact function, 2 NC + 1 NO



Description

RAFIX universal switching elements are designed for emergency stops and actuators with two actuating directions (e.g. selector switches). The universal switching elements always have a momentary contact function - then a switching function is implemented by the actuator alone.



technical data

> general

Color	transparent
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, min.	-40 °C
Storage temperature, max.	85 °C
illuminated	No
Packaging unit	20 pcs.
Net weight	11.8 g
Operating life	1,000,000 cycles
B10	1,300,000 cycles
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78
Shock resistance according to standard IEC 60068-2-27	50 g at 11 ms amplitude semi-sinusoidal
Vibration resistance according to standard IEC 60068-2-6	10 g at 20 - 500 Hz
Protection class	II
Minimum order quantity (MOQ)	20 pcs.
RoHS compliant	Yes
REACH compliant	Yes
Country of origin	DE

> mounting diameters

Outside dimension, length	22.2 mm
Outside dimension, width	22.2 mm
Outside dimension, height	34.4 mm
Mounting depth	44.7 mm

direct links

> [RAFI eCatalog](#)

> mechanical data

Terminal on the rear	Flat quick-connect terminal 2.8 x 0.8
Fixing	Latching
Actuation function	momentary contact function
Operating force, max.	100 N
Operating travel, max.	3 mm
Contact function	2 NC + 1 NO
Contact system	Bridge contact
Contact material	Silver
Solderability	No

> electrical data

Rated insulation voltage	250 V
Rated surge voltage	2,500 V
Rated voltage, min.	10 V
Rated voltage, max.	250 V
Voltage type	AC / DC
Rated operating current I, AC15 B300	240 V / 1,5 A
Rated operating current I, DC13 Q300	250 V / 0,275 A 125 V / 0,4 A 60 V / 1 A 24 V / 2 A
Rated operating voltage	10-250 V
Power loss	1.44000 W
Category of use AC-15 / B300	250 V / 1,5 A (CCC)
Categories of use	AC-15 / B300 DC-13 / Q300
Category of use DC-13 / Q300	240 V / 0,27 A (CCC)

> Specifications according to IEC 60947-5-1

Rated operating voltage	250 V (AC-15) 250 V / 125 V / 60 V / 24 V (DC-13)
Rated surge voltage	2,500 V

Use according to UL:

RAFIX control devices are defined at RAFI as modular elements, consisting of an actuating element, if necessary a coupling and an individual contact or lighting unit.

Actuating elements (such as pushbuttons, emergency stop actuators, etc.) have the intended tactility, reset and function only when assembled with the appropriate switching elements.